



MAR 5 2003

Certificate

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Please type a plus sign (+) inside this box → ☐

of Correction

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | |
|---|------------------------|------------------------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 09/228,845 Pat. No. 6,325,424B1 |
| | Filing Date | 01/12/1999 Issued 12/04/2001 |
| | First Named Inventor | Paul Metcalfe et al |
| | Group Art Unit | 3627 |
| | Examiner Name | E. Nicholson |
| | Attorney Docket Number | 427600800004 |
| Total Number of Pages in This Submission | | |

| ENCLOSURES (check all that apply) | | |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): CERTIFICATE OF CORRECTION (35 USC § 254 & 255, 37 CFR 1.322 & 1.323) |
| Remarks | | APPROVED MAY 16 2003 FOR THE DIRECTOR OF USPTO |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|------------------------|
| Firm or Individual name | H. Duane Switzer |
| Signature | <i>H Duane Switzer</i> |
| Date | Feb. 19, 2003 |

| CERTIFICATE OF MAILING | | | |
|---|------------------------|------|--------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 02/19/2003 | | | |
| Typed or printed name | H. Duane Switzer | | |
| Signature | <i>H Duane Switzer</i> | Date | Feb 19, 2003 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**100.00**

Complete if Known

| | |
|----------------------|-------------------------------------|
| Application Number | 09/228,845 PAT. NO. 6,325,424 B1 |
| Filing Date | 01/12/1999 Issued 12/04/2001 |
| First Named Inventor | Paul Metcalfe et al |
| Examiner Name | E. Nicholson |
| Art Unit | 3627 |
| Attorney Docket No. | 427600800004 |

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number
Deposit
Account
Name

501432

Jones Day

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 740 | 2001 | 370 | Utility filing fee | |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 510 | 2003 | 255 | Plant filing fee | |
| 1004 | 740 | 2004 | 370 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$) |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | Extra Claims | | Fee from below | | Fee Paid |
|--------------------|----------------------|--------------|----------------------|----------------|----------------------|----------|
| Total Claims | <input type="text"/> | -20** = | <input type="text"/> | X | <input type="text"/> | |
| Independent Claims | <input type="text"/> | -3** = | <input type="text"/> | X | <input type="text"/> | |
| Multiple Dependent | | | | | <input type="text"/> | |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|-------------------------------------|----------|----------|----------|--|--------------------|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 400 | 2252 | 200 | Extension for reply within second month | |
| 1253 | 920 | 2253 | 460 | Extension for reply within third month | |
| 1254 | 1,440 | 2254 | 720 | Extension for reply within fourth month | |
| 1255 | 1,960 | 2255 | 980 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,280 | 2453 | 640 | Petition to revive - unintentional | |
| 1501 | 1,280 | 2501 | 640 | Utility issue fee (or reissue) | |
| 1502 | 460 | 2502 | 230 | Design issue fee | |
| 1503 | 620 | 2503 | 310 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 740 | 2809 | 370 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 740 | 2810 | 370 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 740 | 2801 | 370 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
| Certificate of a design application | | | | | |
| 254 & 255, 37 CFR 1.322 & 1.323 | | | | | |
| Other fee (specify) | | | | | 100 |
| *Reduced by Basic Filing Fee Paid | | | | | |
| SUBTOTAL (3) | | | | | (\$) 100.00 |

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|-------------------|------------------------|-----------------------------------|---------------|-----------|--------------|
| Name (Print/Type) | H. Duane Switzer | Registration No. (Attorney/Agent) | 22,431 | Telephone | 216-586-7283 |
| Signature | <i>H Duane Switzer</i> | Date | Feb. 19, 2003 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): : Paul Metcalfe, Craig A. Homberg and
Walter G. Lockard

Serial No. : 09/228,845

Filed : January 12, 1999

For : COUPLING ASSEMBLY HAVING ENHANCED
AXIAL TENSION STRENGTH

Patent No. : 6,325,424 B1

Issued : December 4, 2001

Attorney Docket No. : 427600800004

Commissioner for Patents
Washington, D. C. 20231

I hereby certify that this correspondence
is being deposited today with the United
States Postal Service as first class mail in
an envelope addressed to: Assistant
Commissioner for Patents Washington,
D.C. 20231

on Feb. 19, 2003
By: H. D. Smith

Attention: Certificate of Correction Branch
of the Patent Issue Division

CERTIFICATE OF CORRECTION
(35 USC § 254 and 255, 37 CFR 1.322 and 1.323)

Sir:

Correction of this patent is requested as indicated on the enclosed Certificate of
Correction.

Copies are enclosed of the corrected pages of the patent showing the changes in
red.

Claims 3 and 5 are exact duplicates, and there is no antecedent basis in parent
claim 1 for the recited sealing ring. These errors are corrected in claim 3 by changing the
dependency from claim 1 to claim 2. These errors are corrected in claim 5 by providing an

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antecedent basis for the recited sealing ring. See the corrections to column 8 on the attached Certificate of Correction.

Claim 7 depends from claim 5 and recites "said locking strap" which has no antecedent basis in parent claim 5. This is corrected by changing the dependency of claim 7 from claim 5 to claim 6. See the correction to column 9, line 8, on the enclosed Certificate of Correction.

Claim 9 depends from claim 7 and purports to add the recitation of a sealing ring that already is recited in lines 55-60 of column 8 in parent claim 6 from which claim 7 depends. In addition, independent claim 8 separates dependent claim 9 from its parent claim 7. These errors are corrected by changing the dependency of claim 9 from claim 7 to claim 8. See the correction to column 10 on the attached Certificate of Correction.

Claim 14 depends from claim 7 and purports to add the recitation of a sealing ring that already is recited in parent claim 6 at lines 55-60 of column 8. Also, independent claims 8, 10 and 12 separate claim 14 from claim 7. These errors are corrected by changing the dependency of claim 14 from claim 7 to claim 13.

The other errors that are corrected on the attached Certificate of Correction are printing or typographical errors.

A check for \$100.00 is enclosed to cover the correction fee under 37 CFR 1.20(a). Please charge additional fees or credit overpayment to deposit Account No. 501432. A duplicate

copy of this sheet is attached.

Respectfully submitted,

A handwritten signature in cursive script, reading "H Duane Switzer", is written over a horizontal line.

H. Duane Switzer

Reg. No. 22,431

JONES DAY

North Point

901 Lakeside Avenue

Cleveland, OH 44114-1190

216-586-7283

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,325,424 ^{B1}
DATED : December 4, 2001
INVENTOR(S) : Metcalfe et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7, line 21, change "chamberedend" to -- chamfered end --. *C*

Column 8, line 3, change "1" to -- 2 --. *C*

Column 8, line 7, change "1" to -- 2 --. *C*

Column 9, line 8, change "5" to -- 6 --. *C*

Column 9, line 54, change "scaling" to -- sealing --. *C*

Column 10, line 10, change "7" to -- 8 --. *O*

Column 11, line 9, change "scaling" to -- sealing --. *C*

Column 12, line 19, change "position" to -- portion --. *C*

Column 12, line ³⁷~~34~~, before the first instance of "second" insert
-- said --. *C* ↓

Column 12, line ³⁸~~36~~, change "Outer" to -- outer --. *C* ↓

Column 12, line ⁵²~~48~~, change "position" to -- portion --. *C* ↓

Column 12, line ⁵⁶~~54~~, change "scaling" to -- sealing --. *C* ↓

Column 12, line ⁶⁰~~58~~, change "scaling" to -- sealing --. *C* ↓

Column 14, line 1, change "7" to -- 8 --. *O* ✓

MAILING ADDRESS OF SENDER:

H. Duane Switzer
Jones, Day, Reavis & Pogue
North Point
901 Lakeside Avenue
Cleveland, Ohio 44114

PATENT NO. 6,325,424

No. of additional copies



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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,325,424 B1
DATED : December 4, 2001
INVENTOR(S) : Metcalfe et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7,

Line 21, change "chamberedend" to -- chamfered end --.

Column 8,

Lines 3 and 7, change "1" to -- 2 --.

Column 9,

Line 8, change "5" to -- 6 --.

Line 54, change "scaling" to -- sealing --.

Column 10,

Line 10, change "7" to -- 8 --.

Column 11,

Line 9, change "scaling" to -- sealing --.

Column 12,

Line 19, change "position" to -- portion --.

Line 37, before the first instance of "second" insert -- said --.

Line 38, change "Outer" to -- outer --.

Line 52, change "position" to -- portion --.

Lines 56 and 60, change "scaling" to -- sealing --.

Column 14,

Line 1, change "7" to -- 8 --.

Signed and Sealed this

Sixteenth Day of July, 2002

Attest:



Attesting Officer

JAMES E. ROGAN
Director of the United States Patent and Trademark Office

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,325,424 B1
DATED : December 4, 2001
INVENTOR(S) : Metcalfe et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7,

Line 22, change "chamferedend" to -- chamfered end --.

Column 8,

Line 3, change "1" to -- 2 --.

Lines 5 and 12, before "groove" insert -- ring --.

Line 10, change "wherein said" to -- including a --; same line, change "has" to -- having --.

Column 9,

Line 8, change "5" to -- 6 --.

Line 56, change "scaling" to -- sealing --.

Column 10,

Line 10, change "7" to -- 8 --.

Column 11,

Line 9, change "scaling" to -- sealing --.

Column 12,

Lines 20 and 52, change "position" to -- portion --.

Line 37, before the first instance of "second" insert -- said --.

Line 38, change "Outer" to -- outer --.

Lines 56 and 59, change "scaling" to -- sealing --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,325,424 B1
DATED : December 4, 2001
INVENTOR(S) : Metcalfe et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14,
Line 1, change "7" to -- 13 --.

This certificate supersedes Certificate of Correction issued July 16, 2002.

Signed and Sealed this

Third Day of June, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", with a horizontal line drawn underneath it.

JAMES E. ROGAN
Director of the United States Patent and Trademark Office